

We claim:

13/ A seating device comprising:

- a base,
- an upper-body support supported by the base,
- an oscillating 3-dimensional movement drive system supported by the base,
- a seat attached to the oscillating 3-dimensional movement drive system, so that the seat is movable along each of three axes, relative to the upper body support.

13/ A seating device as in claim 13 whereby said oscillating 3-dimensional movement drive system is adjustable relative to the frequency, amplitude, and direction of movement.

14/ A seating device as in claim 13 whereby the operation of said oscillating 3-dimensional movement drive system is adjustable by electronic control devices.

15/ A seating device as in claim 13, whereby said oscillating 3-dimensional movement drive system operates intermittently.

16/ A seating device as in claim 13 further including at least one sensor switch to sense upper body posture of a seated person and to select between at least two amplitudes of movement.

17/ A seating device as in claim 13, further including a control system to switch between different motion patterns.

18/ A seating device as in claim 13, whereby the seat includes a loin support.

19/ A seating device as in claim 13 wherein said upper-body support comprises at least one supporting device resiliently mounted thereto.

20 9. A seating device as in claim ¹³ wherein said upper-body support includes at least one supporting device.

21 10. A seating device as in claim ²¹ wherein at least one supporting device comprises a backrest.

22 11. A seating device as in claim ²¹ wherein at least one supporting device comprises a lateral support.

23 12. A seating device as in claim ²¹ wherein at least one supporting device comprises a stomach-rest.

24 13. A seating device as in claim ²¹ wherein at least one supporting device comprises a headrest.

25 14. A seating device as in claim ²¹ wherein at least one supporting device comprises a neck-rest.

26 15. A seating device as in claim ²¹ wherein at least one supporting device comprises a shoulder-rest.

27 16. A seating device as in claim ¹³ further including at least one armrest resiliently supported by the base and comprising at least a forearm support that is resiliently shiftable in at least a horizontal direction.

28 17. A seating device as in claim ²⁷ wherein said resilient support comprises a suspended mount mechanism.

29 18. A seating device as in claim ²⁸ whereby said forearm support further includes a spring type lock.

30 19. A seating device as in claim ²⁹ whereby said forearm support further includes an upper-arm support that can engage the upper body support.

~~39~~¹³ 20. A seating device as in claim 1 further including at least one foot support connected to the seat whereby said foot support being mounted so that it can be folded back toward the side of the seating device.

~~39~~¹³ 21. A seating device as in claim 1 including at least one foot support supported by the base and being foldable into a recess provided within the base, whereby said foot support is movable relative to the base and is lockable in each of a plurality of positions.

~~39~~¹³ 22. A seating device as in claim 1 including at least one leg- and foot support supported by the base and being foldable into a recess provided within the base, whereby said leg- and foot support is movable relative to the base and is lockable in each of a plurality of positions.

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